

Abbreviations and Acronyms

ACL	access control list
ACMHW	access control and management HWCI
ADC	affiliated data center
ADSHW	advertising service HWCI
ADSRV	advertising service CSCI
AI	artificial intelligence
AI&T	algorithm integration and test
AIT	Algorithm Integration Team
AITHW	algorithm integration and test HWCI
AITT	Algorithm Integration and Test Team
AITTL	algorithm integration and test tools (CSCI)
AM-1	EOS AM Project spacecraft 1, morning spacecraft series —ASTER, CERES, MISR, MODIS and MOPITT
ANSI	American National Standards Institute
API	application program (or programming) interface
AQAHW	algorithm QA HWCI
AQAHWCI	algorithm quality assurance hardware configuration item
ASCII	American Standard Code for Information
ASF	University of Alaska Synthetic Aperture Radar (SAR) Facility
AST	algorithm support team
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
AVHRR	Advanced Very High-Resolution Radiometer
BOA	basic object adapter
BPS/bps	bits per second
Bps/bps	bytes per second
CASE	computer aided software engineering
CCS	CSMS communications system (CSCI)
CD	compact disk
CD-ROM	compact disk - read only memory

CDHF	central data handling facility
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CERES	Clouds and Earth's Radiant Energy System
CHUI	Character User Interface
CI	configuration item
CIDM	client, interoperability and data management
CLS	Client Subsystem
CORBA	common object request broker architecture
COSS	common object services specifications
COTS	commercial off-the-shelf (hardware or software)
CPU	central processing unit
CS	computer software
CS	client server
CSC	computer software component
CSCI	computer software configuration item
CSDTs	computer science data types
CSMS	Communications and Systems Management Segment (ECS)
CSS	communication subsystem (CSMS)
DAA	DAN acknowledge
DAA	data availability acknowledgment
DAAC	distributed active archive center
DADS	data archive and distribution service
DADS	data archive and distribution subsystem (Version 0 system)
DADS	data archive and distribution system
DAN	data availability notice
DAO	data assimilation office
DAS	data assimilation system (at DAO)
DAS	data availability schedule
DBA	database administrator
DBMS	database management system

DCCI	distributed computing software configuration item
DCE	distributed communication environment
DCE	distributed computing environment (OSF)
DCF	data capture facility
DCHCI	distributed communications hardware configuration item
DCHCI	distributed computing hardware CI
DCHCI	distributed computing hardware configuration item
DDA	data delivery acknowledgment
DDICT	data dictionary CSCI
DDIST	data distribution services CSCI
DDL	data definition language
DDN	data delivery notice
DDSRV	SDPS - Document Data Server CSCI in the Data Server Subsystem
DEF	data exchange format
DEM	digital elevation model
DES	data encryption standard
DESKT	Desktop CI
DESKT	Desktop CSCI
DFS	distributed file system
DIB	directory information base
DID	data item description
DIM	distributed information manager
DIMGR	distributed information manager
DIMGR	distributed information manager CSCI
DIPHW	distribution and ingest peripheral HWCI
DIPHW	distribution and ingest peripheral management HWCI
DIS	data information system
DLPDU	data link protocol data unit
DM	data management
DMGHW	data management HWCI
DMS	data management subsystem

DNS	domain name system
DNS	domain name services
DOC	distributed object computing
DOF	distributed object framework
DPR	data processing request
DPREP	data pre-processing CSCI
DPRHW	data repository HWCI
DPS	data processing subsystem
DS	data server
DSS	data server subsystem
e-mail	electronic mail
email	electronic mail
EAS	ECS Advertising Service
Ecom	EOS Communications
Ecom	EOSDIS Communications System
ECS	EOSDIS Core System
EDC	EROS Data Center (DAAC)
EDF	ECS development facility
EDOS	EOS Data and Operations System
EDOS	EOSDIS Data and Operations System
EDU	EDOS Data Unit
EMC	enterprise monitoring and coordination
EOS AM	EOS AM Project (morning spacecraft series)
EOS	Earth Observing System
EOS-AM-1	EOS Morning Crossing (Descending) Mission
EOS-PM	EOS Afternoon Crossing (Ascending) Mission (afternoon spacecraft series) (see AIRS, AMSU-A, MHS, MIMR, CERES and MODIS)
EOSDIS	Earth Observing System (EOS) Data and Information System (DIS)
EOSDIS	Earth Observing System Data and Information System
ERD	entity relationship diagram
EROS	Earth Resources Observation System
ESA	European Space Agency

ESDD	Earth Science Data Directory
ESDIS	Earth Science Data and Information System (GSFC Code 505)
ESDT	Earth science data types
ESFU	enhanced standard format unit
ESH	EDOS service header
ESH	EDU service header
ESN	EOSDIS Science Network (ECS)
ETM+	Enhanced Thematic Mapper Plus
FDDI	fiber distributed data interface
FDF	flight dynamics facility
FOS	Flight Operations Segment (ECS)
FOT	Flight Operations Team
FSMS	File Storage Management System
FTP	file transfer protocol
ftpd	file transfer protocol daemon
G/B	gateway/bridge
GAC	global area coverage (AVHRR)
Gb	gigabits (10^9)
Gbps/GBps	gigabit/gigabyte per second
GByte	gigabyte (10^9)
GCDIS	Global Change Data and Information System
GCMD	Global Change Master Directory
GCP	ground control point
GDAO	GSFC Data Assimilation Office
GFE	Government furnished equipment
GIS	geographic information system
GNMP	GOSIP network management protocol
GOES	Geostationary Operational Environmental Satellite
GSFC	Goddard Space Flight Center
GTWAY	Version 0 Interoperability Gateway CSCI
GUI	graphical user interface

GV	ground validation
GV	TRMM Ground Validation Data
GV	TRMM Ground Verification
H&S	Health and Safety
H/K	housekeeping
H/W	hardware
HCL	Hughes class library
HDF	hierarchical data format
HP	Hewlett-Packard Corporation
HTML	hypertext markup language
HTTP	hypertext transport protocol
HWCI	hardware configuration item
I/F	interface
I/O	input/output
ICD	interface control document
ICL	ingest client
ICLHW	Ingest Client HWCI
ICMP	Internet control management protocol
ICMP	Internet control message protocol
ICMP	Internet control messaging protocol
IDD	interface definition document
IDL	interactive data language
IDL	interface definition language
IGTWY	External Communications Gateway
IMS	information management service
IMS	information management subsystem
INCI	internetworking CI
INGST	ingest services CI
INHCI	internetworking hardware CI
INS	SDPS Ingest Subsystem
IOS	interoperability subsystem

IOT	Instrument Operations Team
IP	Internet protocol
IR-1	interim release-1
IRD	interface requirements document
IRS	interface requirements specification
IS	ingest subsystem
ISS	internetworking subsystem of CSMS
JPL	Jet Propulsion Laboratory (DAAC)
KB	kilobyte (10^3)
KB	kilobytes
Kb	kilobit (10^3)
KB/SEC	kilobyte per second
Kbps	kilobits per second
Kbps/KBps	kilobit/kilobyte per second
Kerberos	security protocol developed by MIT; base for DCE security
Kftp	Kerberized file transfer protocol
KM	key mechanism
KSLOC	thousand single lines of code
Ktelnet	Kerberized telnet
L-7	Landsat-7 (Landsat-7 for EDHS search)
L0	Level 0
L0-L4	Level Zero through Level 4
L0R	Level 0 Reformatted
L0-L4	Level 0 through Level 4 data
LAC	Local Area Coverage (AVHRR)
LAN	local area network
Landsat	Land Remote-Sensing Satellite
LaRC	Langley Research Center (DAAC)
LIMGT	Local Information Manager CSCI
LIS	Lightning Imaging Sensor
M&O	maintenance and operations

MACI	management agent software CI
MACI	management agents configuration item
MB	megabyte (10^6 bytes)
Mb	megabit (10^6)
MBps	megabytes per second
Mbps	mega bits per second
MBPS/Mbps	million bits per second
Mbps/MBps	megabit/megabyte per second
Mbyte	megabyte
MCF	metadata configuration file
MCI	Management Software CI
med	medium
MEM	memory management
MET	metadata
Metadata	data about data
MFLOP	Million floating point operations per second
MFLOPS	mega (millions of) floating-point operations (10^6) per second
MHCI	management hardware CI
MHCI	management hardware configuration item
MIB	management information base
MIL-STD	military standard
min	minute
MIPS	mega (millions of) instructions (10^6) per second
MMI	man-machine interface
MO&DSD	Mission Operations and Data Systems Directorate (GSFC Code 500)
MOU	memorandum of understanding
MSFC	Marshall Space Flight Center (DAAC)
MSS	management subsystem service -- 214-001
MSS	Multispectral Scanner (Landsat)
MSS	system management subsystem (of CSMS)
MSSHW	MSS Hardware CI

MSU	mass storage unit
MSU	Microwave Sounding Unit
MTA	message transfer agent
MTTR	mean time to repair
MTTR	mean time to restore
MUI	management user interface
Multicast	a point to multi-point data flow
NASA	National Aeronautics and Space Administration
Nascom	NASA Communications
NCAR	National Center for Atmospheric Research
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NetCDF	non-HDF formats
netCDF	network common data format
NFS	network file system
NMC	National Meteorological Center (NOAA)
NMS	network management subsystem (Ecom)
NNTP	Network New Transfer Protocol
NNTP	Network News Transfer Protocol
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanographic Data Center [NOAA] (also NESDIS/NODC)
NOLAN	Nascom Operational Local Area Network
NQS	queuing system
NRC	National Research Council
NRDN	NOAA Radar Data Network
NREN	National Research and Education Network
NRL	Naval Research Laboratory
NSF	National Science Foundation
NSFNet	NSF Network
NSI	NASA Science Internet
NSIDC	National Snow and Ice Data Center (DAAC)
NSIDC	National Snow and Ice Data Center (University of Colorado)

NSSDC	National Space Science Data Center
NTP	network transport protocol
NWCI	networking configuration item
O&M	operations and maintenance
O/A	orbit/altitude
ODBMS	object oriented data management system
ODC	other data center
ODL	object description language
ODMS	object data management system
OES	object encapsulation software
OMA	object management architecture
OMF	object management framework
OMG	object management group
OMT	Object Modeling Technique
OO	object oriented
OOA	object oriented analysis
OOD	object oriented design 12/94
OODBMS	object oriented database management system
OODCE	object oriented DCE
OODCE	object oriented distributed computing environment
OORDB	object oriented relational data base
OPS	operations
ORB	object request broker
ORDBMS	object rational database management system
OS	object services
OS	operating system 12/94
OSF	Open Software Foundation
OSI	Open System Interconnect
OSI	Open Systems Interconnection
OSI-RM	OSI reference model
OTS	off-the-shelf

P/L	payload
P/S	planning/scheduling
PACOR	packet processor
PAS	planning and scheduling
PCL	planning class libraries
PDF	publisher's display format
pdf	portable document format
PDL	program design language
PDPS	planning and data processing system
PDPS	planning and data production system
PDPS	product development and processing system
PDR	Preliminary Design Review
PDRA	Preliminary Design Review Release-A
PDS	planetary data system
PDS	platform data system
PDS	production data set
Perl	a UNIX® programming language
<u>PGE</u>	<u>product generation executive (formerly product generation executable)</u>
PGS	Product Generation Service
PGS	Product Generation System (ECS) (ASTER)
PGS	Product Generation System (obsolete ECS element name) (ASTER)
PGSTK	Product Generation System Toolkit
PI	Primary Investigator
PI	principal investigator
PI/TL	principal investigator/team leader
PLANG	production planning CSCI
PLNHW	planning HWCI
PLS	planning subsystem
POSIX	Portable Operating System Interface for Computer Environments
PR	Precipitation Radar (TRMM)
PRONG	Processing CSCI

PSCN	Program Support and Communications Network
PVL	parameter value language
Q/A	quality assurance
Q/A	quality/accounting
Q/L	quick look
R/T	real time
R/W	Read/Write
RAID	redundant array of inexpensive disks
RAM	random access memory
RCL	resource class libraries
RCP	remote copy
RDA	remote database access
RDBMS	relation data base management system
RDBMS	relational database management system
RID	review item discrepancy
RMIA	reliability, maintainability, availability
RMON	remote monitor (SNMP)
RPC	remote procedure call
RPC	remote processing computer
RT	real time
RTM	requirements traceability model
S/C	spacecraft
S/E	systems engineering
S/W	software
SAA	Satellite Active Archives (NOAA)
SAA	satellite active archive
SBA	Small Business Administration
SBUV	Solar Backscatter Ultraviolet
SBUV/2	Solar Backscatter Ultraviolet/version 2
SCDO	Science and Communications Development Office (ECS)
SCF	Science Computing Facility

SDP	science data processing
SDPF	Sensor Data Processing Facility (GSFC)
SDPS	Science Data Processing Segment (ECS)
SDPS/W	science data processing software
SDPS/W	science data production software
SDPTK	science data processing toolkit
SDPTK	SDP toolkit
SDR	System Design Review
SDSRV	Science Data Server CSCI
SeaWiFS	Sea-Viewing Wide Field-of-View Sensor
SGI	Silicon Graphics Incorporated
SMC	system monitoring and coordination center
SMMR	Scanning Multichannel Microwave Radiometer
SMTP	simple mail transfer protocol
SNDCP	subnetwork dependent convergence protocol
SNICP	subnetwork independent convergence protocol
SNMP	simple network management protocol
SP	scenario primitive
SPRHW	science processing hardware CI
SSI&T	science software integration and test
SSM/I	Special Sensor Microwave/Imager
SSM/T	Special Sensor Microwave/Temperature Sounder
STMGT	storage management software CSCI
StP	Software Through Pictures
StP/OMT	Software Through Pictures/Object Modeling Technique
SUN	Sun MicroSystems
SW	science workstation
SW	software
SWCI	software configuration item
SWG	science working group
TBD	to be defined

TBD	to be determined
TBR	to be resolved
TBS	to be supplied
TCP	transmission control protocol
TCP/IP	transmission control protocol/internet protocol
TDRSS	Tracking and Data Relay Satellite System
TIROS	Television and Infrared Observation Satellite
TL	team leader
TLCF	team leader computing facility
TM	Thematic Mapper (Landsat)
TMI	TRMM Microwave Imager
TN	TDRSS network
TOMS	Total Ozone Mapping Spectrometer
TOPEX	Ocean Topography Experiment (joint US-France)
TOVS	Television Infrared Observing Satellite (TIROS) Operational Vertical Sounder
TOVS	TIROS Operational Vertical Sounder
TRMM	Tropical Rainfall Measuring Mission (joint US-Japan)
TSDIS	TRMM Science Data and Information System
TSU	TRMM Science User
UARS	Upper Atmosphere Research Satellite
UDP	user datagram protocol
UDP/IP	user datagram protocol/internet protocol
UFS	UNIX file system
UID	universal identifier
UNIX	POSIX operating system
UR	universal reference
URL	universal reference location
URL	universal research locator
URL	universal resource locator
UserDIS	User Data Information System
USGS	U.S. Geological Survey

UT	universal time
UTC	universal time code
UTC	universal time coordinated
UTCF	universal time correlation factor
UTM	universal transverse mercator
UUID	universal unique identifier
UX	UNIX/X
V&V	verification and validation
V0 ODL	Version 0 Object Description Language
V0	Version 0
VAS	VISSR Atmospheric Sounder (GOES)
VIMS	virtual IMS
VIRR	Visible and Infrared Radiometer
VIRS	Visible Infrared Scanner (TRMM)
VIS	vendor information system
VIS-UV	Visible/Ultraviolet Spectrometer
VISSR	Visible/Infrared Spin-Scan Radiometer (GOES)
VT	virtual terminal
W/S	workstation
WAIS	Wide Area Information Server
WAN	wide area network
WKBCH	Workbench Workbench CI Workbench CSCI
WKSHC	Working Storage HWCI
WKSHW	Working Storage HWCI
WRKSTN	workstation
WS	working storage
WS	workstation
WWW	World Wide Web
X	X protocol
XTE	X-Ray Timing Explorer